## WHAT IS CLAIMED IS:

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1	1	. In a multi-processor computing environment, a method by a first
2	processor for all	ocating resources for use by a second processor, the method comprising:
3	p	roviding a script to the first processor, the script containing information
4	related to the res	sources required by the second processor and when required;
5	p	arsing the script to determine the resources required by the second processor
6	and	
7	d	ynamically allocating the resources at the time needed by the second
8	processor.	
1	2	. The method of claim 1 wherein the script further comprises
2	iı	nformation related to resources required by a third processor; and
3-	d	ynamically allocating the resources at the time needed by the third processor
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Per	3	
2=	d	edicating the first processor to processing the script.
3-10-20-11-2	4	. The method of claim 1 wherein the resources are memory and matrix
2	configuration.	
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ler.	5	
2	sequence of the	program.
şalı İ	6	The method of claim 1 wherein the information in the amount of buffe
2	memory needed	
1	7	gg
2	more tasks in a r	nulti-processor computing environment, the method comprising:
3	p	roviding a script to the processor, the script containing a map of sequences
4	that will occur d	uring execution of the one or more tasks;
5	p	arsing the script to determine resources required based on the map of
6	sequences; and	
7	a	llocating the resources immediately prior to execution of the task.

The method of claim 7 wherein the script is an I/O processor script.

1	9. A predictive resource allocation system for a multi-processor	
2	computing environment having two or more processors, comprising:	
3	a first processor;	
4	a dedicated processor dedicated to providing resource allocation to the f	irst
5	processor;	
6	a script file containing information related to the resources required by t	he
7	second processor;	
8	a script engine for running the script file, the dedicated processor in	
9	conjunction with the script engine parsing the script to determine the resources required	l by
10	the second processor; and	
115	the dedicated processor dynamically allocating the resources at the time	
12	needed by the first processor.	
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15	10. The system of claim 9 wherein the script further comprises	
125 1 2 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3	information related to resources required by a third processor; and	
3	the dedicated processor dynamically allocating the resources at the time	
45	needed by the third processor.	
150	11. A method by a processor for allocating resources for use by two	or
2	more tasks in a multi-processor computing environment, the method comprising:	01
3	providing a script to the processor, the script containing a map of sequer	
4	that will occur during execution of the tasks;	ices
5	parsing the script to determine the map of sequences for the tasks and to	
6	determine the resources required by the tasks; and	
U	determine the resources required by the tasks, and	
7	allocating the resources to tasks such that resource allocation is synchron	nized
8	with when the resources are needed by tasks.	
1	12. The method of claim 11 wherein allocating the resources further	
2	comprises	
3	dynamically allocating the resources at the time needed by the tasks.	